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	DATE: 24 February 1959
scr: (Trip Report - AS-6 Data Transmitt	DOC
regarding RD-103, Task Order 8. d mitter, AS-6, were held at the	1959 a series of conferences development of Automatic Data Trans-
January were:	
2. The representative	wer brought with them a model of the
collector unit they are delivering	res brought with them a model of the mg to TSS. This unit was matched to
the transmitter and no difference ting the two devices. The mitter are able to read out the of the circuits connecting the two	ng to TSS. This unit was matched to  fficulty was encountered in inter- logic circuits of the trans- memory properly and about 90%  so devices were checked out. Full
collector unit they are delivering the transmitter and no difference ting the two devices. The mitter are able to read out the of the circuits connecting the two agreement was reached regarding the remaining functions.	ng to TSS. This unit was matched to  fficulty was encountered in inter- logic circuits of the trans- memory properly and about 90%  so devices were checked out. Full the voltage and pin connections of the reported that progress on the field
collector unit they are delivering the transmitter and no difference ting the two devices. The mitter are able to read out the of the circuits connecting the two agreement was reached regarding to remaining functions.  unit was on schedule and that the behind schedule.  has been possibility we will formally required.	ng to TSS. This unit was matched to  fficulty was encountered in inter- logic circuits of the trans- memory properly and about 90%  to devices were checked out. Full the voltage and pin connections of the

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and present indications are that the power supply will weigh 30 pounds or slightly more. A lengthy discussion of the accessories necessary to properly install this equipment revealed that the 30 pound weight

ground stakes, antenna mounting bracket, ground plane leads and the

was told that every effort must be made to reduce the weight of these

tools could conceivably weigh an additional 30 pounds.

equipment did not include accessories and that the

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	23%
	25 <b>X</b> <sup>2</sup>
accessory kitsdescribed the method of transport and installation of the AS-6 and impressed upon theengineers the	25X <sup>2</sup>
necessity of reducing the weight of the complete system to the absolute minimum. It was pointed out that in one of the two AS-6 sites the installation would be made within a group of trees and that these trees could be used as antenna supports. At the other site a whip antenna only must be used. A percussion drill powered by rifle	201
cartridges which is capable of driving a steel pin into solid concrete was demonstrated by recommended that a drill such as this, which weighs 8 pounds, be considered for securing guy wires and grounding stakes into permafrost.	25 <b>X</b> ′
4. The following test program for the AS-6 and cellector equip-	25 <b>X</b> 1
ment was agreed upon. During the week of 25 March 1959,	25 <b>X</b> 1
and the representatives will participate in a test of the	25X1
cellector unit at a suitable location The Office of Communi- cations and will not participate in this test. During the	25X <sup>2</sup>
week of 13 April 1959 the first on-the-air test of the field	25X
units will be made from Washington The collector	25X′
will be used with the AS-6 field unit during this test and a full	25X1
systems test will be made. During the week of 27 April 1959 a fully	051/4
simulated operational installation and test will be made from  This test will be made into the	25 <b>X</b> ′ 25 <b>X</b> ′
and will continue for about 10 days.	20/(
5. The training of an I&MB engineer in AS-6 base station opera-	25 <b>X</b> 1
tion will begin during these tests. It is anticipated that the IAMB representative will observe the Washington to test in	25 <b>X</b> 1
Washington to become familiar with the operation of the field unit.	25X1
He will then travel to with the engineers for	25X1
instruction in operation and maintenance of the AS-6 base station. He	
will remain in for the duration of the tests and	25 <b>X</b> ′
as long afterwards as is necessary to become thoroughly familiar with the AS-6 base equipment.	25 <b>X</b> 1
6. On 23 January a discussion was held with	25 <b>X</b> ′
and regarding remote operation of the AS-6 transmit ter-	25 <b>X</b> ′
minal. It was explained that it was highly desirable to be able to	
control the transmit equipment from the AS-6 receive base station, during the hours when the transmit station was unattended.	25X <sup>2</sup>
explained that the frequency channel of the 231-D used at the	25X
AS-6 transmit station could be changed from a remote location by	
using the original dial system provided with the He agreed	25 <b>X</b> ′
to provide for remote switching of the 25 cps and 50 cps modulation	25V
on the exciter unit which is constructing for driving the	25 <b>X</b> ′ 25 <b>X</b> ′
7 On 26 January of the arrived	25 <b>X</b> ′
at to discuss the power supply is fabricating for the	25 <b>X</b> 1
AEC, which will be used with the AS-6. A detailed review of the power	25 <b>X</b> 1
requirements was made and it was noted that the requirements	25X1
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